US ERA ARCHIVE DOCUMENT



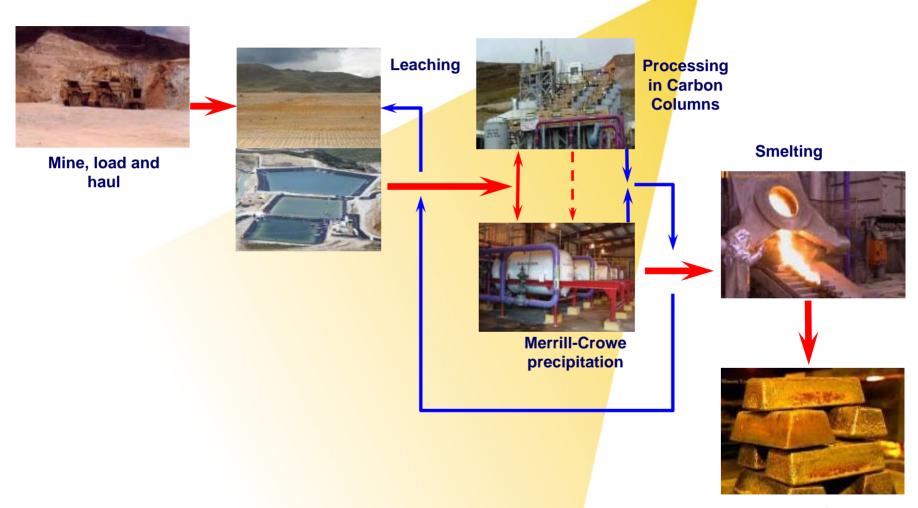
Byproduct Mercury from International Mining

Joseph Pollara
Chief Environmental Engineer
Newmont Mining Corporation
July 24, 2007

Yanacocha Mine - Peru



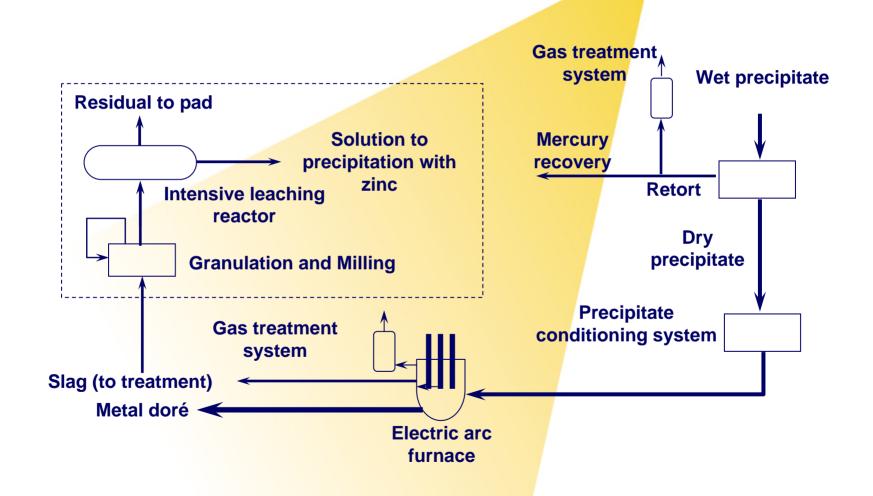
very simplified...



Doré

SMELTING PROCESS





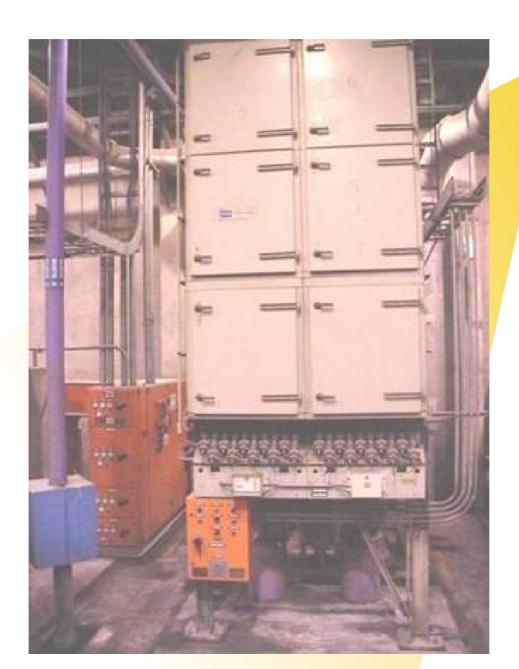
RETORT





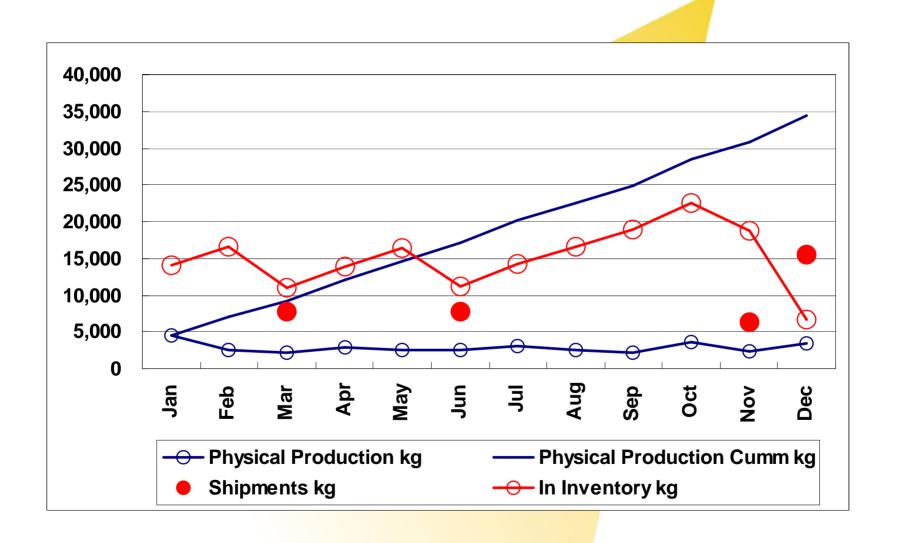
GAS TREATMENT



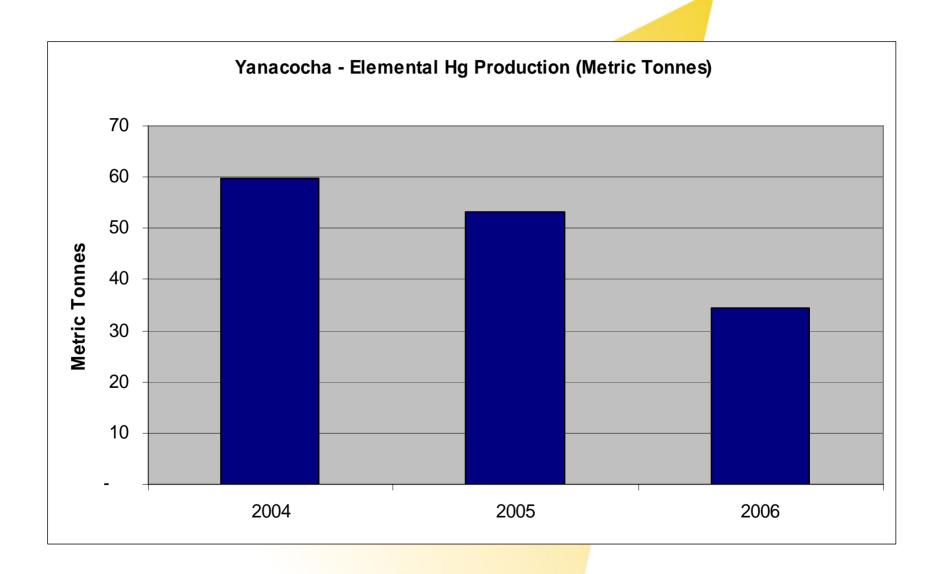


MERCURY PRODUCTION AND SALES - 2006





YANACOCHA ELEMENTAL MERCURY PRODUCTION NEWMONT



MERCURY TRANSPORTATION



- In 2005, began shipping to Bethlehem Apparatus (B.A.), Hellertown, Pennsylvania
- Rigorous mercury handling system
 - Mercury is deposited in metallic bottles of 34 kg capacity
 - Bottles display two certifications of quality
 - one from the U.S. after manufacture
 - another one from Peru previous to filling
 - Bottles are closed and security sealed
 - Bottles are loaded into a gasketed bottle carrier
 - The bottle carrier is sealed, certified and loaded
 - Transport occurs in 20' container trucks
 - Each truck is equipped to transport 4 bottle carriers
- Use of a chemical marker to "fingerprint" Newmont's mercury

SECURITY



- The convoy follows an established security route from the mine to the port of the Callao
- Personnel trained in hazardous material spill response escort the convoy in trucks fully equipped response
- A representative from Ministry of Energy and Mines accompanies
- Two security checkpoints enroute
- Receipt of shipment at the port and final security
- Stored in a secure, guarded warehouse until shipment

SUPPLY CHAIN



- Newmont has entered into contract with Bethlehem Apparatus to limit sales of mercury to "Qualified End Users", which are:
 - Users for manufacture of end products
 - U.S. and Australian markets only
 - No mercury resellers

MERCURY BOTTLES











PREPARATION OF BOTTLE CARRIERS







SEALING THE BOTTLE CARRIER









OVERWRAPPING AND LABELING









LOADING THE BOTTLE CARRIERS





